

PATENT

ITW

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/777,205
Applicants / Inventors: Terrance Dean Maxwell et. al.
Assignee: Halliburton Energy Services, Inc.
Filing Date: February 13, 2004
Priority Date: November 7, 2003
Title: VARIABLE GAUGE DRILLING APPARATUS AND
METHOD OF ASSEMBLY THEREOF
Group Art Unit: Unknown
Examiner: Unknown
Entity Status: Large Entity
Our Docket: 58029-147

May 20, 2004

**TO: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

TRANSMITTAL LETTER

Sir:

Attached hereto and transmitted herewith for filing are the following:

1. Information Disclosure Statement for the above-identified patent application;
2. Information Disclosure Citation Form PTO/SB/08A;
3. Copies of all "Foreign Patent Documents" and "Other Prior Art" listed in the enclosed Information Disclosure Citation Form PTO/SB/08A; and

4. A self-addressed card for return to our office to confirm the filing of the enclosed materials.

Respectfully submitted,

SMART & BIGGAR

By: 

TERRENCE N. KUHARCHUK

Registration No. 34,999

1501 - 10060 Jasper Avenue

Scotia Place, Tower Two

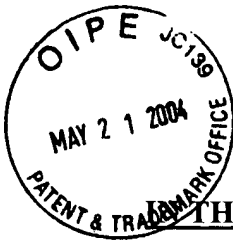
Edmonton, Alberta

Canada T5J 3R8

Telephone: 1-780-428-2960

Fax: 1-780-423-6975

Applicant's Agent



PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/777,205
Applicants / Inventors: Terrance Dean Maxwell et. al.
Assignee: Halliburton Energy Services, Inc.
Filing Date: February 13, 2004
Priority Date: November 7, 2003
Title: VARIABLE GAUGE DRILLING APPARATUS AND
METHOD OF ASSEMBLY THEREOF
Group Art Unit: Unknown
Examiner: Unknown
Entity Status: Large Entity
Our Docket: 58029-147

May 20, 2004

**TO: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR 1.56, the Applicants enclose a completed *Information Disclosure Citation* form PTO/SB/08A (3 pages) listing the prior art cited by the Applicants.

Copies of all "Foreign Patent Documents" and "Other Prior Art" cited by the Applicants are also enclosed. Copies of all "U.S. Patent Documents" cited by the Applicants are not provided herein in accordance with the waiver of the requirement under 37 CFR §1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each cited U.S. application publication.

The undersigned agent hereby certifies that each item of information contained in this Information Disclosure Statement is being submitted pursuant to 37 CFR 1.97(b)(3) before the mailing of a first Office Action on the merits by the U.S. Patent and Trademark Office.

The Applicants respectfully request that the examiner consider the enclosed prior art reference materials in the examination of this application.

Respectfully submitted,

SMART & BIGGAR

By: 

TERRENCE N. KUHARCHUK

Registration No. 34,999

1501 - 10060 Jasper Avenue

Scotia Place, Tower Two

Edmonton, Alberta

Canada T5J 3R8

Telephone: 1-780-428-2960

Fax: 1-780-423-6975

Applicant's Agent

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **1** of **3**

Complete if Known

Application Number	10/777,205
Filing Date	February 13, 2004
First Named Inventor	Terrance Dean MAXWELL et al.
Group Art Unit	unknown
Examiner Name	unknown
Attorney Docket Number	58029-147

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,034,929		Coburn et. al.	07-23-1991	
		5,307,885		Kuwana et. al.	05-03-1994	
		5,353,884		Misawa et. al.	10-11-1994	
		5,685,379		Barr et. al.	11-11-1997	
		5,706,905		Barr	01-13-1998	
		5,803,185		Barr et. al.	09-08-1998	
		5,875,859		Ikeda et. al.	03-02-1999	
		5,931,239		Schuh	08-03-1999	
		5,139,094		Prevedel et. al.	08-18-1992	
		3,823,787		Haworth et. al.	07-16-1974	
		5,314,030		Peterson	05-24-1994	
		6,244,361		Comeau et. al.	06-12-2001	
		6,158,529		Dorel	12-12-2000	
		3,896,667		Jeter	07-29-1975	
		3,967,680		Jeter	07-06-1976	
		4,655,289		Schoeffler	04-07-1987	
		6,267,185		Mougel et al.	07-31-2001	
		2,210,824		Walker, Sr.	08-06-1940	
		4,428,626		Blau et al.	01-31-1984	
		4,459,613		Case	10-20-1985	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		GB	2,172,324		Schlumberger Canada	09-17-1986		
		GB	2,172,325		Cambridge Radiation	09-17-1986		
		GB	2,177,738		Cambridge Radiation	01-28-1987		
		WO	90/07625		Cambridge Radiation	07-12-1990		
		WO	90/08245		Cambridge Radiation	07-26-1990		
		GB	2,307,537		Astec Developments	05-28-1997		
		WO	99/24688		Telejet Technologies	05-20-1999		
		EP	0,718,641 A		Baker Hughes Inc.	06-26-1996		
		GB	2,017,191		Haglund	10-03-1979		
		CA	2,314,575		Baker Hughes Inc.	01-23-2001		

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/777,205
				Filing Date	February 13, 2004
				First Named Inventor	Terrance Dean MAXWELL et al.
				Group Art Unit	Unknown
				Examiner Name	Unknown
				Attorney Docket Number	58029-147
Sheet	2	of	3		

[illegible][illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → +

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/777,205	
			Filing Date	February 13, 2004	
			First Named Inventor	Terrance Dean MAXWELL et al.	
			Group Art Unit	unknown	
			Examiner Name	unknown	
Sheet	3	of	3	Attorney Docket Number	58029-147

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Warren T: "Technology Gains Momentum," Oil and Gas Journal, US, Pennwell Publishing Co., Tulsa, Vol. 96, No. 51, December 21, 1998, pp. 101-105.	
		"LoTAD (Trademark), Mechanical Friction- and Wear- Reduction Running String," product description of Weatherford Drilling & Intervention Services website www.weatherford.com , 2 pp.	
		"LoTAD (Trademark), product description of Weatherford Drilling & Intervention Services website www.weatherford.com , 2pp.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

